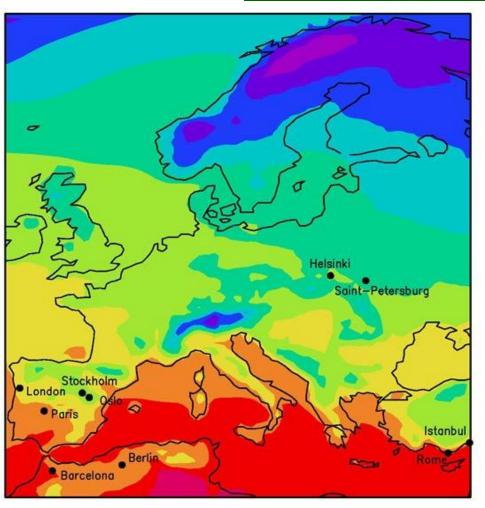
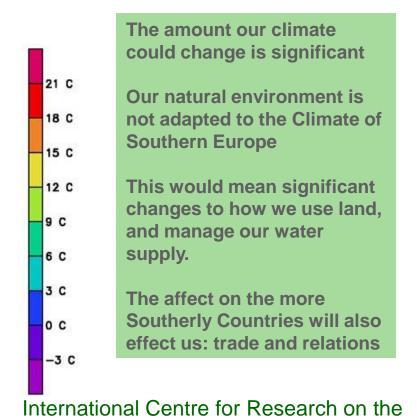
Security of the European Food Chain?

The climate map of Europe in 2080: high emissions scenario, based on temperature and aridity (but not rainfall)





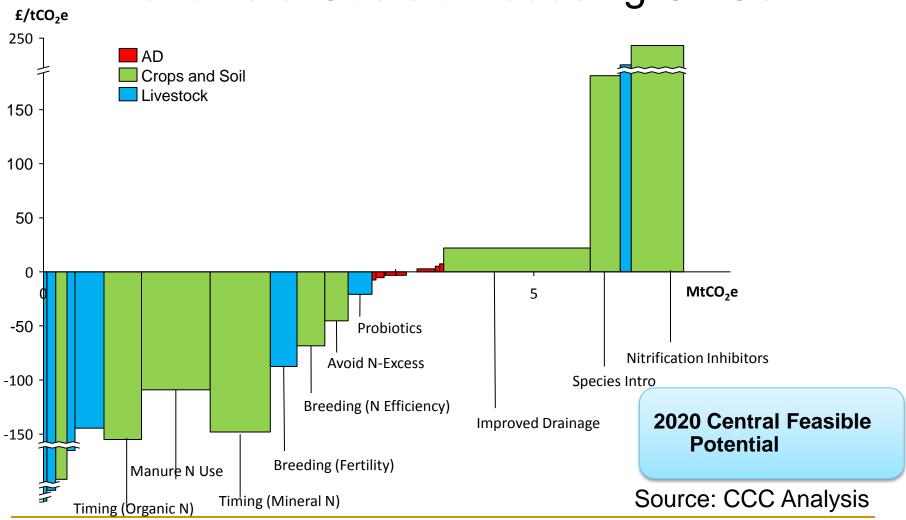
Environment and Development (France)

University of Bremen

"Identification of Knowledge Gaps" Research Priorities

- Timing of mineral/organic Nitrogen applications
- Use of Nitrification Inhibitors/Slow Release fertilisers
- Carbon storage, Forestry, Soils & Soil Emissions (No till/min till; Organic Soils)
- Manipulation of Animal Diets for methane mitigation
- Understanding the Economics of reducing GHGs
- Improving National GHG Inventory & Carbon Calculators
- Perverse Outcomes due to interconnectivity of Sector

Agriculture Marginal Abatement Cost Curve Benefits & Costs of reducing GHGs



The Way Forward To Share & Co Operate Internationally!!

- Farming & Food Industry must engage with this Debate!
- Focusing on CC alone, leads to Perverse Outcomes
- Invest in R&D to accelerate more novel mitigation options into the market place. Eg Nitrogen Inhibitors
- Invest in R&D to smarten the IPCC & LCA Methodology and in Measurement Technology
- Invest in refining Carbon Calculators to allow Recognition of "On Farm" Sequestration
- Develop "Whole Farm" approaches which deliver multiple policy wins, eg woody species, planted as Riparian strip to deliver on Water Frameworks Dir., Carbon Offsetting, etc.